(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 14 April 2005 (14.04.2005)

PCT

(10) International Publication Number WO 2005/032578 A1

(51) International Patent Classification7: AG1P 29/00 A61K 38/19.

(21) International Application Number:

PCT/AU2004/001359

(22) International Filing Date: 6 October 2004 (06.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2003905461 2004902056 6 October 2003 (06.10.2003) AU 16 April 2004 (16.04.2004) AU

2004904834 24 August 2004 (24.08.2004) A

- (71) Applicant (for all designated States except US): MONASH UNIVERSITY [AU/AU]; Wellington Road, Clayton, VIC 3168 (AU).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DE KRETSER, David, Morritz (AU/AU): 1 Leura Street, Surrey Hills. VIC 3127 (AU). PHILLIPS, David, James (AU/AU): 17 Calembeena Avenue, Hughesdale, VIC 3166 (AU). JONES, Kristian, Lee (AU/AU): 5/68 Erica Avenue, Glen Iris, VIC 3146 (AU). O'HEHIR, Robyn (AU/AU): Department of Pathology and Immunology, Central and Eastern Clinical School, Monash University, Alfred Hospital, Commercial Road, Melbourne, VIC 3004 (AU). PATELLA, Shane (AU/AU): 602 Waverley Road, Malvern East. VIC 3145 (AU). WILSON, Kathryn.

Moira [AU/AU]; 31 Caroline Avenue, Cockatoo, VIC 3781 (AU). SEBIRE, Kimberley, Louise [AU/AU]; 236 Murray Road, Preston, VIC 3072 (AU).

- (74) Agents: OBRANOVICH, Taniu, D. et al.; Davies Collison Cave, 1 Nicholson Street, Melbourne, VIC 3000 (AU).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW,
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: THERAPEUTIC METHOD

(57) Abstract: The present invention relates generally to a method of modulating an inflammatory response in a mammal and to agents useful for same. More particularly, the present invention relates to a method of modulating an inflammatory response in a mammal by modulating the functional activity of activin and thereby modulating the pro-inflammatory mediator cascade. The method of the present invention is useful, inter alia, in the treatment and/or prophylaxis of conditions characterised by an aberrant, unwanted or otherwise inappropriate inflammatory response including, inter alia, sepsis and inflammation of the airway. The present invention is further directed to methods for identifying and/or designing agents capable of modulating activin mediated regulation of the inflammatory response.